ELSEVIER

Journal of Inorganic Biochemistry 96 (2003) 507

JOURNAL OF Inorganic Biochemistry

www.elsevier.com/locate/jinorgbio

Author Index of Volume 96, Nos. 2–3, 4

Ahn, T., 339
Ali, M.S., 452
Alzuet, G., 443
Astill, C., 463
Avilés, F.X., 493

Baderschneider, B., 463
Bakas, T., 425
Bansal, N., 393
Bassindale, A.R., 401
Battistuzzi, G., 503
Bednarski, P.J., 469
Binolis, J., 425
Bombard, S., 357
Borrás, J., 367
Borrás, J., 443
Brandstadt, K.F., 401

Castiñeiras, A., 367
Castranova, V., 271
Charalabopoulos, K., 425
Chaudhary, A., 393
Chruszcz, M., 386
Cole, K.A., 478
Costello, L.C., 435
Criado, J.J., 311

Daran, J.-C., 375
Davies, N.P., 331
Davis, M.G., 321
De Llorens, R., 493
Deng, G., 487
Di Rocco, G., 503
Diven, C., 321
Drevenšek, P., 407
Dung, N.-H., 375

Eby-Wilkens, E., 321
Evdokimov, A., 321

Feng, J., 416
Feng, P., 435
Franklin, R.B., 435

Gajraj, A., 393
Gao, F., 416
García, I., 367
García-Granda, S., 443
Gasowska, A., 346
Genbauffe, F., 321
Golovinsky, E., 469
González-Álvarez, M., 367
González-Álvarez, M., 443
Greenaway, F.T., 375
Greis, K.D., 321
Grünert, R., 469
Guan, Z., 435

Hadjikakou, S.K., 425
Hadjiliadis, N., 425
Hlavica, P., 279
Honda, A., 298
Howard, B.W., 321

Ishikawa, M., 298

Jurkschat, K., 425

Karkabounas, S., 425
Kasuga, N.C., 298
Khokhar, A.R., 452
Kim, S.-J., 339
Kim, Y., 339
Kim, Y.-S., 339
Komeda, S., 357
Koumo, C., 298
Kozelka, J., 357
Kukoyi, B.I., 435
Kushev, D., 469

Laidler, P., 386
Lane, T.H., 401
Lebioda, L., 386
Leonardi, A., 503
Lewinski, K., 386
Lewis, D.F.V., 279
Li, Y., 416
Li, Z., 487
Llobet, A., 493
Lorenzo, J., 493
Lu, Y., 487

Ma, J., 435
Macías, B., 367
Maheswaran, S., 457
Maier, M., 321
Manuel Montejo-Bernardo, J., 443
Manzano, J.L., 311
Martinez, M., 493
Miao, F., 487
Michaelides, A., 425
Monkiewicz, M., 386
Moradell, S., 493
Moreno, V., 493
Morgant, G., 375
Murray, V., 331

Nakano, S., 298
Nomiya, K., 298

O'Coinceanainn, M., 463
Ortlund, E., 386

Park, S.Y., 339
Pasierb, L., 478
Perrier, S., 357
Peters, K.G., 321
Pham-Tran, V.A., 375
Poklar Ulrih, N., 407
Pokross, M., 321

Qian, Y., 271

Ramesh, R., 457
Rastogi, V., 321
Reedijk, J., 331
Reedijk, J., 357
Reedijk, J., 493
Robillard, M.S., 331
Robillard, M.S., 493
Rodríguez-Fernández, E., 311
Rovira, A., 493

Savouret, G., 375
Schulze, J., 279
Schürmann, M., 425
Sekino, K., 298
Shi, X., 271
Shimada, N., 298
Singh, R.V., 393
Skoulika, S., 425
Sohn, Y.S., 339
Sola, M., 503
Song, R., 339
Soper, S., 321
Sorenson, J.R.J., 375
Spassovska, N., 469

Taylor, P.G., 401
Turel, I., 407

Van Boom, J.H., 331
Van der Marel, G.A., 331
Villa, M.V., 367
Viossat, B., 375

Wang, J., 416
Wright, D.W., 478

Xanthopoulou, M.N., 425

Yang, B., 416
Yokoyama, M., 298

Zhao, Y., 416
Ziegler, J., 478
Zou, J., 435

Elsevier Science Inc.
doi:10.1016/S0162-0134(03)00298-8

ELSEVIER

Journal of Inorganic Biochemistry 96 (2003) 509–512

JOURNAL OF Inorganic Biochemistry

www.elsevier.com/locate/jinorgbio

Subject Index of Volume 96, Nos. 2–3, 4

Acetylsalicylic acid
low-temperature (180 K) crystal structure, electron paramagnetic resonance spectroscopy, and propitious anticonvulsant activities of $Cu_2^{II}(aspirinate)_4(DMF)_2$ and other $Cu_2^{II}(aspirinate)_4$ chelates, 375
Adducts
cis-1,4-Diaminocyclohexane–Pt(II) and –(IV) adducts with DNA bases and nucleosides, 452
Adenosine-5′-diphosphate
interaction centres of purine nucleotides: adenosine-5′-diphosphate and adenosine-5′-triphosphate in their reactions with tetramines and Cu(II) ions, 346
Adenosine-5′-triphosphate
interaction centres of purine nucleotides: adenosine-5′-diphosphate and adenosine-5′-triphosphate in their reactions with tetramines and Cu(II) ions, 346
Aluminum
spectral studies on aluminum ion binding to the ligands with phenolic group(s): implications for the differences between N- and C-terminal binding sites of human serum apotransferrin, 416
Antibacterial
antifertility, antibacterial, antifungal and percent disease incidence aspects of macrocyclic complexes of manganese(II), 393
Anticancer
synthesis and cytotoxicity of new platinum(IV) complexes of mixed carboxylates, 339
Anticancer drugs
platinum complexes of diaminocarboxylic acids and their ethyl ester derivatives: the effect of the chelate ring size on antitumor activity and interactions with GMP and DNA, 493
Anticonvulsant drugs
low-temperature (180 K) crystal structure, electron paramagnetic resonance spectroscopy, and propitious anticonvulsant activities of $Cu_2^{II}(aspirinate)_4(DMF)_2$ and other $Cu_2^{II}(aspirinate)_4$ chelates, 375
Antiferromagnetic coupling
structural and functional models for the dinuclear copper active site in catechol oxidases, 443
Antifertility
antifertility, antibacterial, antifungal and percent disease incidence aspects of macrocyclic complexes of manganese(II), 393
Antifungal
antifertility, antibacterial, antifungal and percent disease incidence aspects of macrocyclic complexes of manganese(II), 393
Antifungal activity
synthesis, spectra, dioxygen affinity and antifungal activity of Ru(III) Schiff base complexes, 457
Antimalarials
metalloporphyrin probes for antimalarial drug action, 478
Antimicrobial activities
synthesis, structural characterization and antimicrobial activities of 12 zinc(II) complexes with four thiosemicarbazone and two semicarbazone ligands, 298
Apoptosis
new perspectives in arsenic-induced cell signal transduction, 271
Arsenic
new perspectives in arsenic-induced cell signal transduction, 271
Azole-bridged complexes
kinetic study of azole-bridged dinuclear platinum(II) complexes reacting with a hairpin-stabilized double-stranded oligonucleotide, 357
Bile acids
new organotropic compounds, 311
Bioinorganic chemistry
synthesis, structural characterization and in vitro cytotoxicity of organotin(IV) derivatives of heterocyclic thioamides, 2-mercaptobenzothiazole, 5-chloro-2-mercaptobenzothiazole, 3-methyl-2-mercaptobenzothiazole and 2-mercaptonicotinic acid, 425
Blue copper oxidases
^{1}H NMR of native and azide-inhibited laccase from *Rhus vernicifera*, 503
BMOV
mechanism of insulin sensitization by BMOV (bis maltolato oxo vanadium); unliganded vanadium (VO_4) as the active component, 321
Cancer
new organotropic compounds, 311
Catecholase activity
structural and functional models for the dinuclear copper active site in catechol oxidases, 443
Ca–D-ribose complex
sugar complexation with calcium ion. Crystal structure and FT-IR study of a hydrated calcium chloride complex of D-ribose, 487
Cell cycle
new perspectives in arsenic-induced cell signal transduction, 271
Chelating ligands
platinum complexes of diaminocarboxylic acids and their ethyl ester derivatives: the effect of the chelate ring size on antitumor activity and interactions with GMP and DNA, 493
Ciprofloxacin
influence of copper(II) and magnesium(II) ions on the ciprofloxacin binding to DNA, 407
Cisplatin
the interaction of peptide-tethered platinum(II) complexes with DNA, 331
platinum complexes of diaminocarboxylic acids and their ethyl ester derivatives: the effect of the chelate ring size on antitumor activity and interactions with GMP and DNA, 493
Cisplatin analogues
unusual reactivity of cytotoxic *cis*-dihydrazide Pt(II) complexes in aqueous solution, 469
cis-1,4-Diaminocyclohexane
cis-1,4-Diaminocyclohexane–Pt(II) and –(IV) adducts with DNA bases and nucleosides, 452
5-, 6- and 7-Coordinate zinc(II) complexes
synthesis, structural characterization and antimicrobial activities of

Elsevier Science Inc.
doi:10.1016/S0162-0134(03)00299-X

12 zinc(II) complexes with four thiosemicarbazone and two semicarbazone ligands, 298
Condensation
enzyme-catalysed siloxane bond formation, 401
Copper(II) complexes
oxidative DNA damage of mixed copper(II) complexes with sulfonamides and 1,10-phenanthroline, 367
Copper(II) ions
influence of copper(II) and magnesium(II) ions on the ciprofloxacin binding to DNA, 407
Covalent modification
crystal structure of a covalent intermediate of endogenous human arylsulfatase A, 386
Crosslinks
kinetic study of azole-bridged dinuclear platinum(II) complexes reacting with a hairpin-stabilized double-stranded oligonucleotide, 357
Crystal structure
low-temperature (180 K) crystal structure, electron paramagnetic resonance spectroscopy, and propitious anticonvulsant activities of Cu^{II}_2(aspirinate)$_4$(DMF)$_2$ and other Cu^{II}_2(aspirinate)$_4$ chelates, 375
sugar complexation with calcium ion. Crystal structure and FT-IR study of a hydrated calcium chloride complex of D-ribose, 487
Crystal structures
synthesis, structural characterization and in vitro cytotoxicity of organotin(IV) derivatives of heterocyclic thioamides, 2-mercaptobenzothiazole, 5-chloro-2-mercaptobenzothiazole, 3-methyl-2-mercaptobenzothiazole and 2-mercaptonicotinic acid, 425
Cu(II)
interaction centres of purine nucleotides: adenosine-5′-diphosphate and adenosine-5′-triphosphate in their reactions with tetramines and Cu(II) ions, 346
Cytochrome P450
functional interaction of cytochrome P450 with its redox partners: a critical assessment and update of the topology of predicted contact regions, 279
Cytostatic activity
new organotropic compounds, 311
Cytotoxicity
synthesis and cytotoxicity of new platinum(IV) complexes of mixed carboxylates, 339
unusual reactivity of cytotoxic *cis*-dihydrazide Pt(II) complexes in aqueous solution, 469
Diabetes
mechanism of insulin sensitization by BMOV (bis maltolato oxo vanadium); unliganded vanadium (VO_4) as the active component, 321
Dinuclear copper(II) complexes
structural and functional models for the dinuclear copper active site in catechol oxidases, 443
Dioxygen affinity
synthesis, spectra, dioxygen affinity and antifungal activity of Ru(III) Schiff base complexes, 457
DNA
kinetic study of azole-bridged dinuclear platinum(II) complexes reacting with a hairpin-stabilized double-stranded oligonucleotide, 357
DNA damage
the interaction of peptide-tethered platinum(II) complexes with DNA, 331
DNA interactions
platinum complexes of diaminocarboxylic acids and their ethyl ester derivatives: the effect of the chelate ring size on antitumor activity and interactions with GMP and DNA, 493
DNA platination
unusual reactivity of cytotoxic *cis*-dihydrazide Pt(II) complexes in aqueous solution, 469
DNA-binding
influence of copper(II) and magnesium(II) ions on the ciprofloxacin binding to DNA, 407
Donor-binding sites
functional interaction of cytochrome P450 with its redox partners: a critical assessment and update of the topology of predicted contact regions, 279
Electron-transfer mechanisms
functional interaction of cytochrome P450 with its redox partners: a critical assessment and update of the topology of predicted contact regions, 279
EPR
low-temperature (180 K) crystal structure, electron paramagnetic resonance spectroscopy, and propitious anticonvulsant activities of Cu^{II}_2(aspirinate)$_4$(DMF)$_2$ and other Cu^{II}_2(aspirinate)$_4$ chelates, 375
FT-IR
coordination of aluminium with purpurogallin and theaflavin digallate, 463
sugar complexation with calcium ion. Crystal structure and FT-IR study of a hydrated calcium chloride complex of D-ribose, 487
GMP interactions
platinum complexes of diaminocarboxylic acids and their ethyl ester derivatives: the effect of the chelate ring size on antitumor activity and interactions with GMP and DNA, 493
HCPTPA
mechanism of insulin sensitization by BMOV (bis maltolato oxo vanadium); unliganded vanadium (VO_4) as the active component, 321
β-Hematin
metalloporphyrin probes for antimalarial drug action, 478
Hemozoin
metalloporphyrin probes for antimalarial drug action, 478
^{1}H NMR
^{1}H NMR of native and azide-inhibited laccase from *Rhus vernicifera*, 503
Hydrazides
unusual reactivity of cytotoxic *cis*-dihydrazide Pt(II) complexes in aqueous solution, 469
Hydrolysis
enzyme-catalysed siloxane bond formation, 401
Inhibition
crystal structure of a covalent intermediate of endogenous human arylsulfatase A, 386
Insulin
mechanism of insulin sensitization by BMOV (bis maltolato oxo vanadium); unliganded vanadium (VO_4) as the active component, 321
Intramolecular hydrogen bonds
spectral studies on aluminum ion binding to the ligands with phenolic group(s): implications for the differences between N- and C-terminal binding sites of human serum apotransferrin, 416
Kinetics
kinetic study of azole-bridged dinuclear platinum(II) complexes reacting with a hairpin-stabilized double-stranded oligonucleotide, 357
Laccase
^{1}H NMR of native and azide-inhibited laccase from *Rhus vernicifera*, 503
LC–MS
coordination of aluminium with purpurogallin and theaflavin digallate, 463

Lipase
enzyme-catalysed siloxane bond formation, 401
Lipophilicity
synthesis and cytotoxicity of new platinum(IV) complexes of mixed carboxylates, 339
Magnesium(II) ions
influence of copper(II) and magnesium(II) ions on the ciprofloxacin binding to DNA, 407
Malaria
metalloporphyrin probes for antimalarial drug action, 478
Manganese(II) macrocyclic complexes
antifertility, antibacterial, antifungal and percent disease incidence aspects of macrocyclic complexes of manganese(II), 393
MAPK
new perspectives in arsenic-induced cell signal transduction, 271
Metal
new perspectives in arsenic-induced cell signal transduction, 271
Metal complexes
new organotropic compounds, 311
Metal ion
crystal structure of a covalent intermediate of endogenous human arylsulfatase A, 386
Metalloporphyrins
metalloporphyrin probes for antimalarial drug action, 478
Methoxide bridges
structural and functional models for the dinuclear copper active site in catechol oxidases, 443
Mixed complexes
interaction centres of purine nucleotides: adenosine-5′-diphosphate and adenosine-5′-triphosphate in their reactions with tetramines and Cu(II) ions, 346
Molecular complexes
interaction centres of purine nucleotides: adenosine-5′-diphosphate and adenosine-5′-triphosphate in their reactions with tetramines and Cu(II) ions, 346
NF-κB
new perspectives in arsenic-induced cell signal transduction, 271
NMR
coordination of aluminium with purpurogallin and theaflavin digallate, 463
Non-steroidal anti-inflammatory drugs
low-temperature (180 K) crystal structure, electron paramagnetic resonance spectroscopy, and propitious anticonvulsant activities of $Cu_2^{II}(aspirinate)_4(DMF)_2$ and other $Cu_2^{II}(aspirinate)_4$ chelates, 375
Nuclease activity
oxidative DNA damage of mixed copper(II) complexes with sulfonamides and 1,10-phenanthroline, 367
Organotin(IV) molecules
synthesis, structural characterization and in vitro cytotoxicity of organotin(IV) derivatives of heterocyclic thioamides, 2-mercaptobenzothiazole, 5-chloro-2-mercaptobenzothiazole, 3-methyl-2-mercaptobenzothiazole and 2-mercaptonicotinic acid, 425
Peptides
the interaction of peptide-tethered platinum(II) complexes with DNA, 331
1,10-Phenanthroline
oxidative DNA damage of mixed copper(II) complexes with sulfonamides and 1,10-phenanthroline, 367
Phenolic group
spectral studies on aluminum ion binding to the ligands with phenolic group(s): implications for the differences between N- and C-terminal binding sites of human serum apotransferrin, 416
Phosphatase
mechanism of insulin sensitization by BMOV (bis maltolato oxo vanadium); unliganded vanadium (VO_4) as the active component, 321
Phosphate
crystal structure of a covalent intermediate of endogenous human arylsulfatase A, 386
Platinum
the interaction of peptide-tethered platinum(II) complexes with DNA, 331
kinetic study of azole-bridged dinuclear platinum(II) complexes reacting with a hairpin-stabilized double-stranded oligonucleotide, 357
cis-1,4-Diaminocyclohexane–Pt(II) and –(IV) adducts with DNA bases and nucleosides, 452
Platinum and gold drugs
new organotropic compounds, 311
Platinum(IV)
synthesis and cytotoxicity of new platinum(IV) complexes of mixed carboxylates, 339
Polyamine
interaction centres of purine nucleotides: adenosine-5′-diphosphate and adenosine-5′-triphosphate in their reactions with tetramines and Cu(II) ions, 346
Prostate cells
human ZIP1 is a major zinc uptake transporter for the accumulation of zinc in prostate cells, 435
Protease
enzyme-catalysed siloxane bond formation, 401
PTP1B
mechanism of insulin sensitization by BMOV (bis maltolato oxo vanadium); unliganded vanadium (VO_4) as the active component, 321
Reactive oxygen species
new perspectives in arsenic-induced cell signal transduction, 271
Ruthenium(III) Schiff base complexes
synthesis, spectra, dioxygen affinity and antifungal activity of Ru(III) Schiff base complexes, 457
S ligands-heterocyclic thioamides
synthesis, structural characterization and in vitro cytotoxicity of organotin(IV) derivatives of heterocyclic thioamides, 2-mercaptobenzothiazole, 5-chloro-2-mercaptobenzothiazole, 3-methyl-2-mercaptobenzothiazole and 2-mercaptonicotinic acid, 425
Semicarbazones
synthesis, structural characterization and antimicrobial activities of 12 zinc(II) complexes with four thiosemicarbazone and two semicarbazone ligands, 298
Sequence specificity
the interaction of peptide-tethered platinum(II) complexes with DNA, 331
Siloxane bond
enzyme-catalysed siloxane bond formation, 401
Spectroscopic techniques
influence of copper(II) and magnesium(II) ions on the ciprofloxacin binding to DNA, 407
Stability
unusual reactivity of cytotoxic *cis*-dihydrazide Pt(II) complexes in aqueous solution, 469
Sulfonamides
oxidative DNA damage of mixed copper(II) complexes with sulfonamides and 1,10-phenanthroline, 367
Synthesis
cis-1,4-Diaminocyclohexane–Pt(II) and –(IV) adducts with DNA bases and nucleosides, 452

Ternary Cu^{II} complex
low-temperature (180 K) crystal structure, electron paramagnetic resonance spectroscopy, and propitious anticonvulsant activities of $Cu_2^{II}(aspirinate)_4(DMF)_2$ and other $Cu_2^{II}(aspirinate)_4$ chelates, 375
Thiosemicarbazones
synthesis, structural characterization and antimicrobial activities of 12 zinc(II) complexes with four thiosemicarbazone and two semicarbazone ligands, 298
Transferrin
spectral studies on aluminum ion binding to the ligands with phenolic group(s): implications for the differences between N- and C-terminal binding sites of human serum apotransferrin, 416
Tyrosine phosphorylation
new perspectives in arsenic-induced cell signal transduction, 271
Vanadate
mechanism of insulin sensitization by BMOV (bis maltolato oxo vanadium); unliganded vanadium (VO_4) as the active component, 321
X-ray crystal structures
synthesis, structural characterization and antimicrobial activities of 12 zinc(II) complexes with four thiosemicarbazone and two semicarbazone ligands, 298
Zinc
human ZIP1 is a major zinc uptake transporter for the accumulation of zinc in prostate cells, 435
Zinc transporter
human ZIP1 is a major zinc uptake transporter for the accumulation of zinc in prostate cells, 435
ZIP transporter
human ZIP1 is a major zinc uptake transporter for the accumulation of zinc in prostate cells, 435